



# SNAPS IOF Communities Air Quality Sensors



Instrument	Davis Instruments Vantage Vue	DST Observair	Aeroqual Ranger
Parameters	Temperature, Humidity, Wind speed, Wind Direction, Pressure	Black carbon (some units incl. carbon monoxide, nitrogen dioxide, sulfur dioxide, PM2.5)	Total VOC
Power	Solar	Solar	Battery (~20hrs) and USB-C
Communication	Wireless / Radio Frequency communication with WeatherLink station	WiFi / Cellular (unit dependent)	WiFi
Maintenance	Annual cleaning. Checks only when data or communication issues	Filter change, every 1-4 weeks (depending on conditions), taking less than 5 minutes	None. Checks only when data or communication issues
Comments	Weatherlink Live console can be stored indoors and requires WiFi and power	Unit will be mounted on a tripod with solar panel installation	Unit will need connection to a power outlet (or USB charging point)
Photo			
Manual Links	<a href="#">Vantage Vue Manual</a> <a href="#">WeatherLink Live Manual</a>	<a href="#">ObservAir Brochure</a> <a href="#">ObservAir Manual</a> <a href="https://www.dstech.io/resources">https://www.dstech.io/resources</a>	<a href="#">Ranger Product Sheet</a> <a href="#">Ranger Sensor Specifications</a>